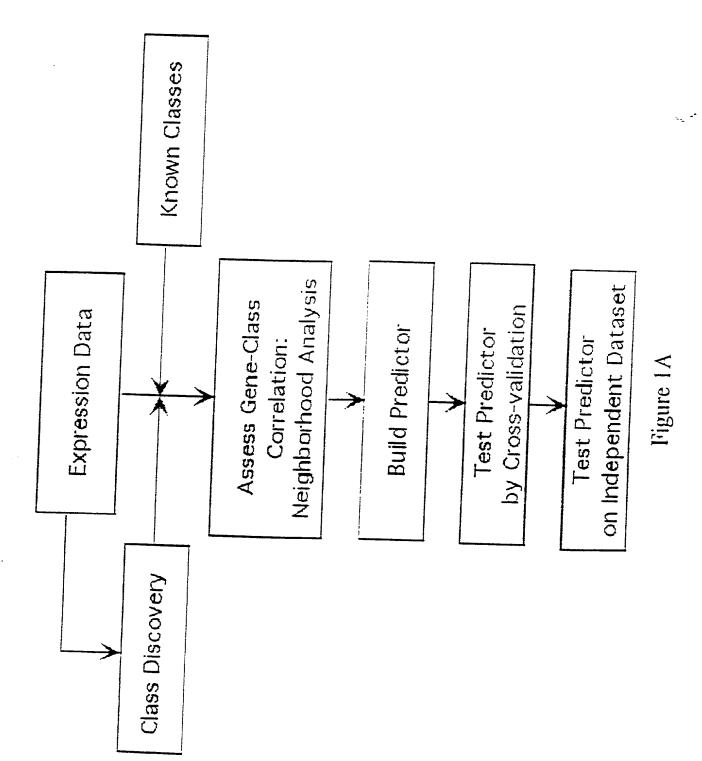
Docket No.: Title: "Methods for Classifying ..." Todd R. Golub, *et al*.



AML

c = (1,1,1,1,1,0,0,0,0,0,0)

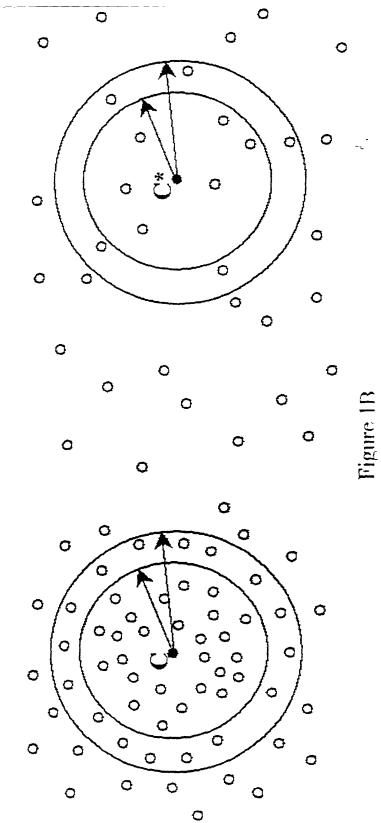
 $gene_1 = (e_1, e_2, e_3,$

 $gene_2 = (e_1, e_2, e_3,$

Docket No.: 2825.1018-010

Title: "Methods for Classifying ..."

Inventors: Todd R. Golub, et al.



2825.1018-010 "Methods for Classifying ..." Todd R. Golub, *et al*. Docket No.: Title:

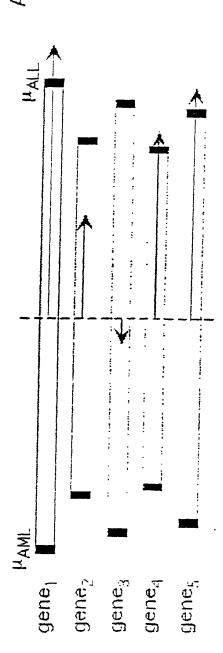
Inventors:

5.11 1.4

AML

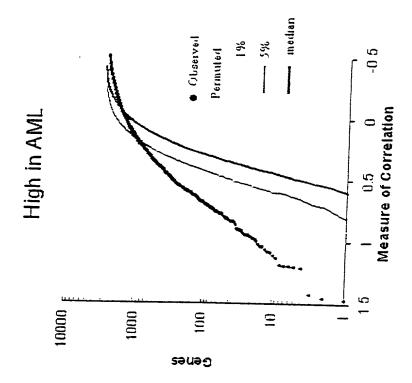
V-1

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Docket No.: 2825.1018-010

"Methods for Classifying ..." Todd R. Golub, *et al*. Title:



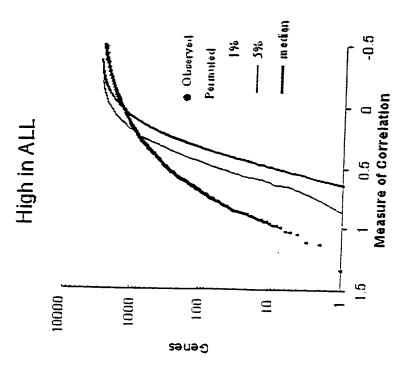
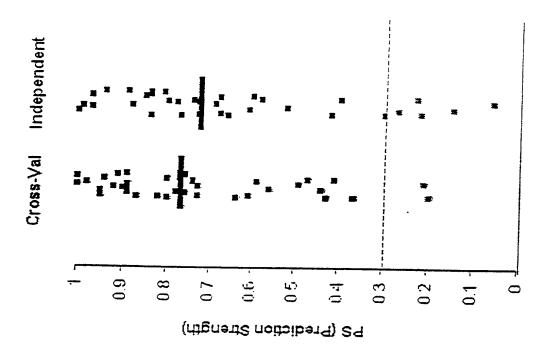


Fig. 3A

Docket No.: Title:

2825.1018-010 "Methods for Classifying ..." Todd R. Golub, *et al*.



Docket No.: 2825.1018-010

Title: "Methods for Classifying ..."

Inventors: Todd R. Golub, et al.

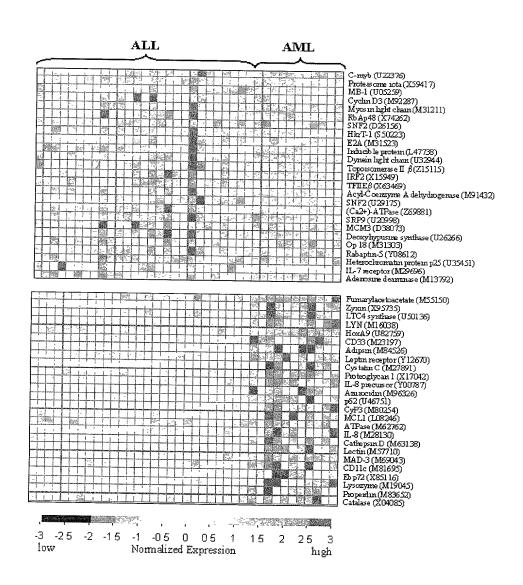
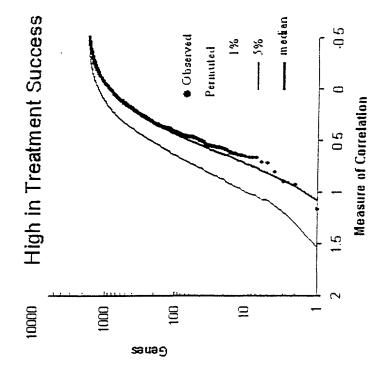


FIG. 3B

Docket No.:

2825.1018-010 "Methods for Classifying ..." Todd R. Golub, *et al*. Title:



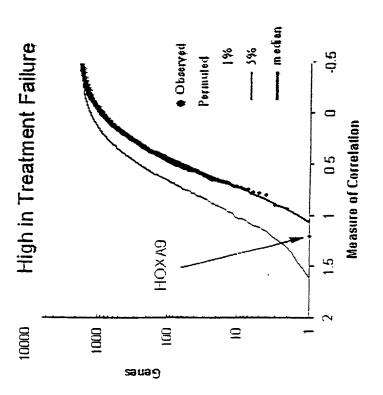
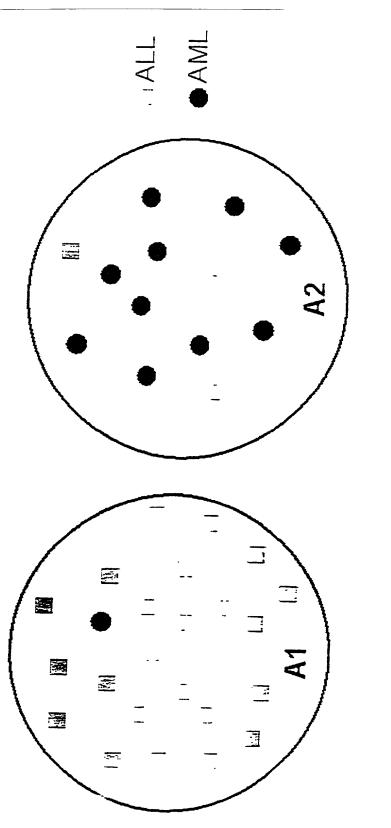


Figure 4

Docket No.: Title: Inventors: 2825.1018-010 "Methods for Classifying ..." Todd R. Golub, *et al*.



Pigure 5A

Docket No.: 2825.1018-010

Title: "Methods for Classifying ..." Todd R. Golub, et al.

Inventors:

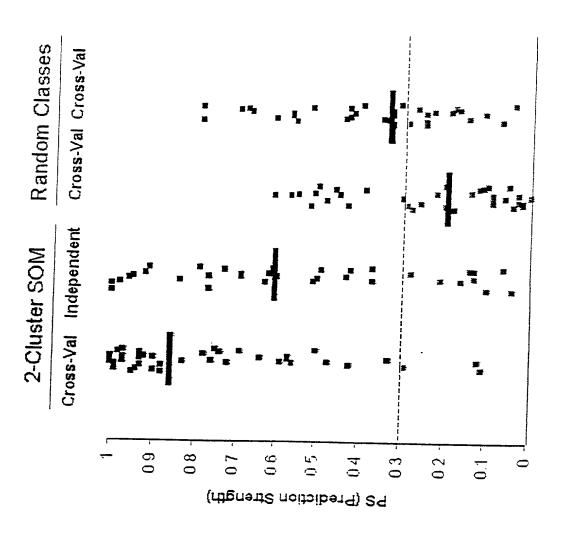
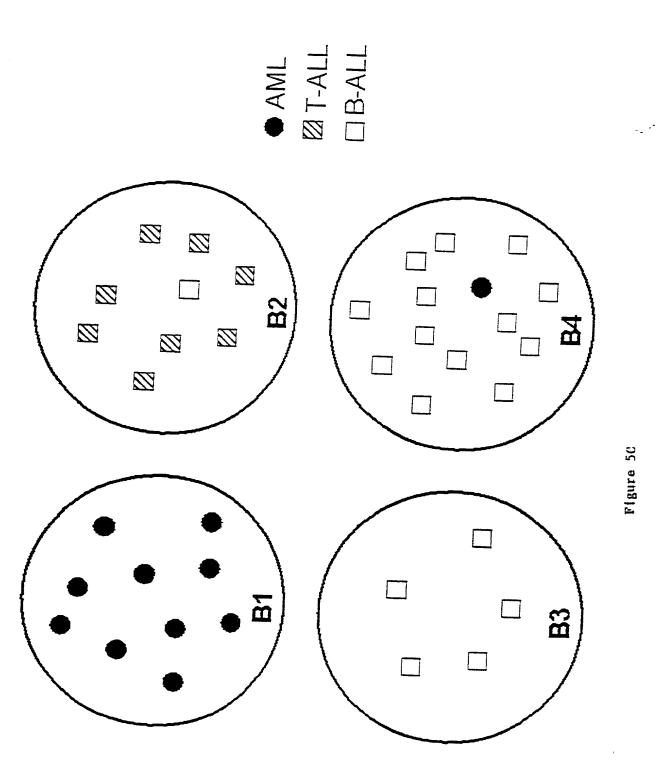


Figure 5B

Docket No.: Title: "Methods for Classifying ..." Todd R. Golub, *et al*.



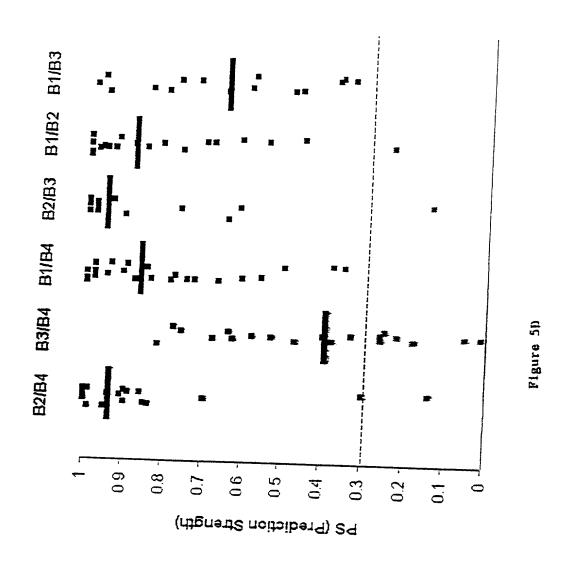
Docket No.: 2825.1018-010

Title:

"Methods for Classifying ..."

Inventors:

Todd R. Golub, et al.



2825.1018-010 Docket No.:

"Methods for Classifying ..." Todd R. Golub, *et al*. Title:

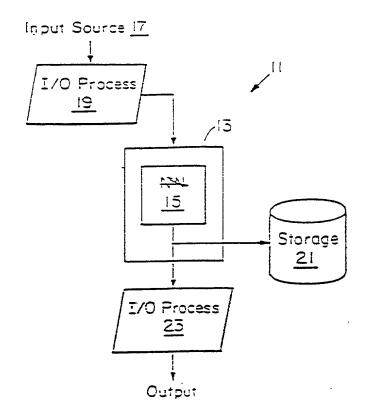


Figure 6

Docket No.: Title: Inventors: "Methods for Classifying ..."

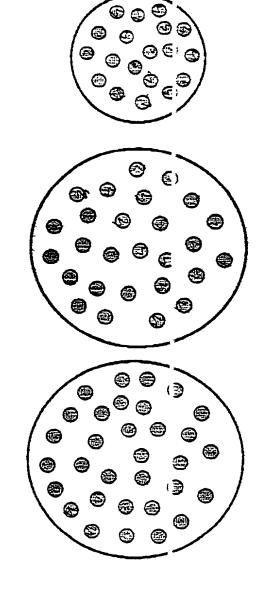
Todd R. Golub, et al.

Example of Self-Organizing Map Class Discovery: Lymphoma Large B-Cell and Follicular

Sample collection;

39 large B-Cell + 20 Follicular

Discovered Classes:



666 666

, , , , , , , , , , , , , , ,

€

9

(3)

, Large B-Cell

Pollicular

Fig. 7

Docket No.:

2825.1018-010

Title:

"Methods for Classifying ..."

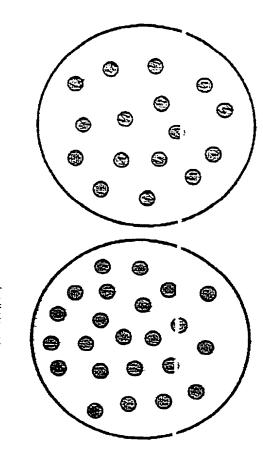
Inventors: Todd R. Golub, et al.

Example of Self-Organizing Map Class Discovery: Brain Glioma and Medulloblastoma

Sample collection:

24 Medulloblastomas + 15 Gliomas

Discovered Classes;



Medulloblastoma

Glioma

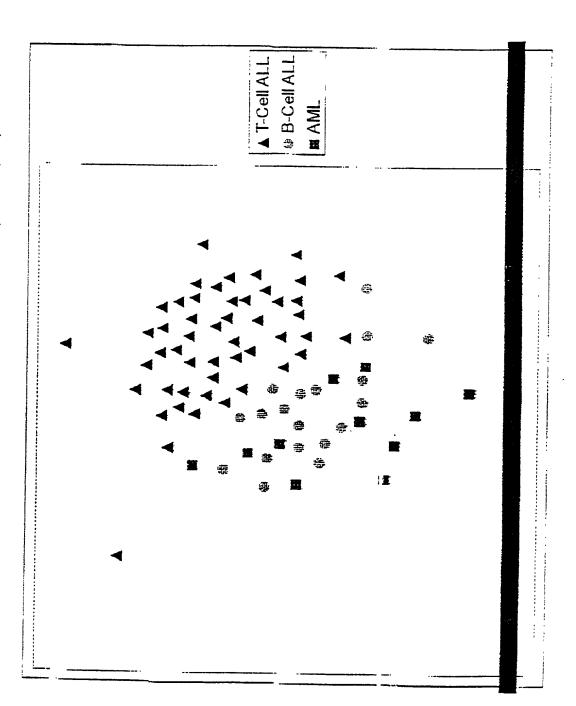
Fig. 8

"Methods for Classifying ..."
Todd R. Golub, *et al*.

Docket No.: Title: Inventors:

Multidimensional Scaling of Leukemia Samples

(431 genes, 15-fold, delta > 1500, thres=100, ceil=16,000)



F18. 9

Hierarchy of Problems in Molecular Class Prediction

Example:	Normal vs. Renal Carcinoma			
Error	%0~			
Difficulty: Gene Markers: Error:	~1000-2000			
ifficulty:	Low			
Problem: Di	I. Tissue or Cell Type Normal vs. Abnormal			

Docket No.:

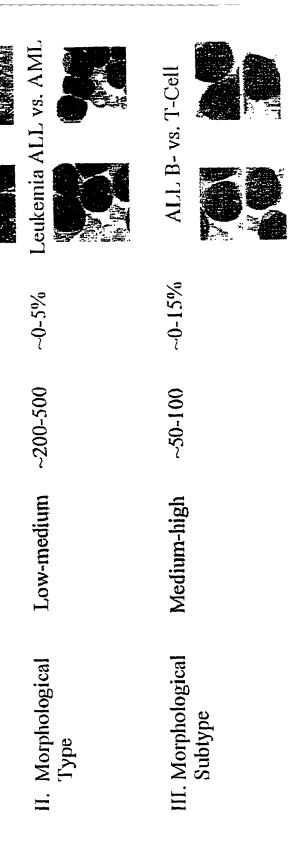
Inventors:

Title:

2825.1018-010

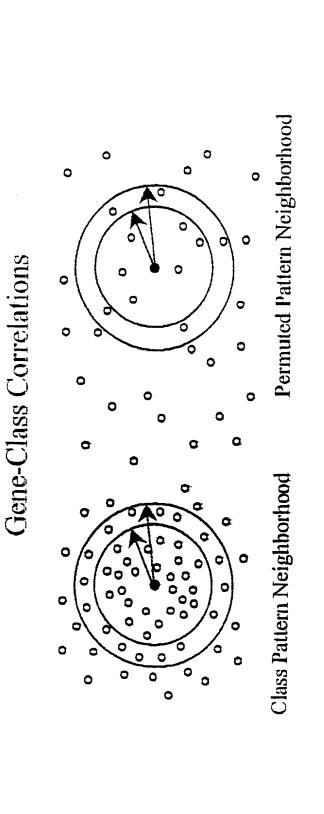
Todd R. Golub, et al.

"Methods for Classifying ..."

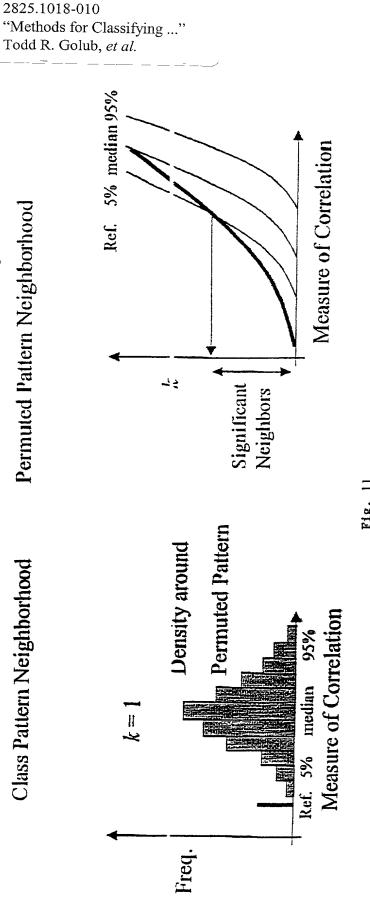


AML Treatment Outcome ~1-20 IV. Treatment Outcome Drug Sensitivity

Neighborhood Analysis: Assessing Statistical Significance of



Docket No.: Title:



Docket No.: Title:

2825.1018-010 "Methods for Classifying ..." Todd R. Golub, *et al*.

Inventors:

Class Prediction Results

					_	
Numbero	garenalas	>100	(A)	300		
Nintxa of endis	(al cals)	(%0)0	0%00	(3%)	101/40/	
Nmag	15 15 15 15 15 15 15 15 15 15 15 15 15 1	0	7			
V NINE O	***	(%0)0	3000		6/ N/A	
					5	
				SAM	3/KTQII	
	0	John Market	2 2 2	edkemia ML	ellemin AL	Lamil Ethiopild
The state of the s	dyen Type	3				
	₫.		_	_	-	12